

A. Cüneyd TANTUĞ

Curriculum Vitae

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PERSONAL INFORMATION

Birth Date : 4th September 1978

Nationality : Turkish

EDUCATION

Ph.D.	Istanbul Technical University (GPA : 4.00 / 4.00)	2002 – 2007
MSc.	Istanbul Technical University An Efficient Clustering Method For Customer Segmentation (GPA : 3.78 / 4.00)	2000 - 2002
B.A.	Istanbul Technical University (GPA : 3.56 / 4.00 , Graduated as the 1 st honor)	1996 - 2000

EMPLOYMENT

Istanbul Technical University, Turkey Lecturer	2007 – Now
Istanbul Technical University, Turkey Research and Teaching Assistant	2000 – 2007
Garanti Bankasi, Turkey Software Engineer	2000 - 2002

RESEARCH AREAS

- Natural Language Processing
 - Computational Morphological Analysis, Machine Translation of Turkic Languages, Lexical Ambiguity Resolution
- Data Mining
 - Clustering Methods, Data warehouse Building, Designing OLAP Systems
- Pattern Recognition
 - Classification Methods and Applications, SPAM Recognition

PUBLICATIONS

- Adalı E., **Tantuğ A.C.**, Mehmet Murat., 2008. “Uygur Dili ve Makineli Çeviri”, *Akademik Bilişim 2008*, Çanakkale, Turkey.
- **Tantuğ A.C.**, Adalı E., Oflazer K., 2007. “A MT System from Turkmen to Turkish Employing Finite State and Statistical Methods”, *In Proceedings of MT Summit XI*, Copenhagen, Denmark.
- **Tantuğ A.C.**, Adalı E., Oflazer K., 2007. “Machine Translation between Turkic Languages”, *In Proceedings of ACL 2007 –Companion Volume*, , Prague, Czech Republic.
- **Tantuğ A.C.**, Adalı E., Oflazer K., 2006. “Lexical Ambiguity Resolution for Turkish in Direct Transfer Machine Translation Models”, *The 21st International Symposium on Computer and Information Sciences, ISCIS 2006*, İstanbul, Turkey, *Lecture Notes in Computer Science*, Vol. **4263**, pp. 230-238, Springer.
- **Tantuğ A.C.**, Adalı E., Oflazer K., 2006. “Computer Analysis of The Turkmen Language Morphology”, *Proceedings of the 5th International Conference on Natural Language Processing, FinTAL 2006*, Turku, Finland, *Lecture Notes in Computer Science*, Vol. **4139**, pp. 186-193, Springer.
- **Tantuğ A.C.**, 2006. “Feasibility of MT Between Turkic Languages”, *2nd Workshop on Computational Linguistics*, İstanbul, Turkey
- **Tantuğ A.C.**, Adalı E., Oflazer K., 2006. “A Prototype Machine Translation System Between Turkmen and Turkish”, *Proceedings of the Turkish Artificial Intelligence and Neural Networks, TAINN 2006*, Muğla, Turkey
- Eryiğit, G., **Tantuğ, A.C.** and Adali, E., 2005. Yaramaz E-Postaların Süzülmesinde, Karar Destek Makineleri, Naive Bayes ve Bellek Tabanlı Öğrenme Yöntemlerinin Karşılaştırılması, *Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi*, **1**, p.27.

- Eryigit G., **Tantuğ, A.C.**, 2004. “A Comparison Of Support Vector Machines, Memory-Based And Naïve Bayes Techniques On Spam Recognition”, *The IASTED conference on Artificial Intelligence Applications, AIA-2005*, Innsbruck, Austria
- Eryigit G., **Tantuğ, A.C.**, 2004. “Performance Analysis of Naïve Bayes Classification , Support Vector Machines and Neural Networks For Spam Categorization”, *Proceedings of 9th Online World Conference On Soft Computing in Industrial Applications*
- **Tantuğ, A.C.**, Eryigit G., 2004. “Probabilistic Turkish Word Root Generation”, *Proceedings of the 3rd Asia Pacific International Symposium on Information Technology*, Istanbul, Turkey
- **Tantuğ, A.C.**, Cebiroğlu, G., Adalı, E., Erenler, Y., 2003. “Synthetic Turkish Word Root Generation”, *Proceedings of the Turkish Artificial Intelligence and Neural Networks, TAINN 2003*, Canakkale, Turkey
- **Tantuğ, A.C.**, Adalı, E., 2002. ”Fast K-Means in Data Mining”, *Bilisim Zirvesi 2002 Bildiriler Kitabı*, Istanbul, Turkey

TEACHING

- Courses Assisted
 - Data Structures, Database Systems, Microprocessors, Real Time Systems, Computer Architecture, Software Engineering, Computer Networks, Microprocessors Lab., Operating Systems, File Organization
- Courses Taught
 - Database Systems, Software Engineering, Microprocessor Laboratory

RESEARCH PROJECTS

- **Design of an MT System Between Turkmen and Turkish** 2006 - 2009
 - This project aims the design of a machine translation system between Turkmen Language to Turkish. This project includes the steps of building and investigating the proper methods and tools, generating linguistic materials (bi-lingual dictionaries, morphological analyzers, language models for statistical ambiguity resolution methods and etc.)
 - Supported by TÜBİTAK (National Science Foundation of Turkey)
- **Customer Segmentation Software Project** 2000 - 2002
 - Implemented for one of the biggest banks in Turkey for customer segmentation using a customer datawarehouse
 - Technologies : C++, DB2, Intelligent Miner

COMMERCIAL PROJECTS

- **K@Plan –ERP Software** 2002 - 2004
 - An enterprise resource planning (including MRP-2) software for knitting
 - Technologies : Delphi, ADO, SQL Server 2000

- **Electronic Data Interchange (EDI) Over VPN** 2000 - 2003
 - Implemented EDI systems for connecting 155 headquarters of the Turkey's biggest tobacco company
 - Technologies : Delphi, Oracle 8i

- **Istanbul Technical University Dormitory Software** 2002-2003
 - A database application which is used in 7 different dormitory of ITU for the administration of dormitories (students information, payments, room planning, etc.)
 - Technologies : 4th Dimension RDBMS

- **Cukurova University Research Projects Supporting Department** 1996
 - A software for keep tracking of research projects in Cukurova University (expenses, reports, stuff, materials, etc.)
 - Technologies : 4th Dimension RDBMS

PROFESSIONAL ACTIVITIES

- ACL 2008 Student Research Workshop Reviewer, 2008
- The Third Asia Pacific International Symposium on Information Technology, Organization Committee Member, 2004
- The Third Asia Pacific International Symposium on Information Technology, Reviewer, 2004

MEMBERSHIPS

- ACL Member (The Association for Computational Linguistics)
- IEEE Member
- ITU Computer Engineering ABET Commission Member, 2004
- ITU Computer Engineering Summer Training Commission Member, 2004

HONORS

- Siemens Excellency Award 2007
- Garanti Technology Postgraduate Scholarship (for 2 years) 2000
- Bedri Karafakioglu Special Award, ITU 2000
- Northern Telecom – NETAS, Success Grant 1999

INVITED TALKS

- Title : Computer Processing of Turkish
Copenhagen University Center for Language Technology, Copenhagen, Denmark, 12.11.2006

LANGUAGES

- Turkish (Native)
- English (Advanced)
- German (Introductory)

TECHNICAL SKILLS

Programming Languages: Perl, C/C++, Java, Delphi, MatLAB
Database Systems: Oracle, SQL Server, 4th Dimension
Tools Used Professionally: Xerox Finite State Toolkits, CMU-Cambridge SLM Toolkit, GATE, Macromedia Dreamweaver, Fireworks, Adobe Photoshop,

NON-TECHNICAL INTERESTS

Playing soccer as a goalkeeper, economics and marketing, reading personal development books